

**NORTHERN SIERRA AIR QUALITY MANAGEMENT DISTRICT**

**Gretchen G. Bennett, APCO**

**200 Litton Drive, Ste. 320/P.O. Box 2509**

**Grass Valley, CA 95945**

**(530) 274-9360/ FAX: (530) 274-7546**

Gerardo Rios, Chief  
Permits Office  
Air Division  
U.S. EPA, Region IX  
75 Hawthorne Street  
San Francisco, CA. 94105  
Mailcode: AIR3

February 27, 2013

**RECEIVED**

**MAR 08 2013**

**Permits Office Air-3  
U.S. EPA, Region 9**

Dear Mr. Rios,

The District hereby gives notice that the Title V permit for Sierra Pacific Industries, Quincy Division has been modified.

Permit Number NSAQMD-TV-SPI-Q has been issued effective February 26, 2010. Enclosed is a copy of the Title V Permit to Operate.

If you have any questions concerning this matter, please contact me at 530-274-9360.

Sincerely,



Gretchen Bennett  
Air Pollution Control Officer

cc:

SPI, Quincy Division

Quincy Title V Files

Enclosure

# Northern Sierra Air Quality Management District

**Sierra Pacific Industries, Quincy Division**  
(Applicant)

Is Hereby Granted a

**TITLE V OPERATING PERMIT**  
Subject to conditions noted



Lumber Manufacturing, Power Generation  
(SIC Code 2421)

At: 1538 Lee Road  
Quincy, California 95971

Date Issued: February 26, 2010  
Modified: August 10, 2012

Approved:   
Gretchen Bennitt  
Air Pollution Control Officer

**TITLE V OPERATING PERMIT**  
**Permit Number: NSAQMD-TV-SPI-Q**

<b>PLANT SITE LOCATION</b> Sierra Pacific Industries Quincy Division 1538 Lee Road Quincy, CA 95971	<b>ISSUED TO:</b> Sierra Pacific Industries Quincy Division P.O Box 750 Quincy, CA 95971
<b>ISSUED BY:</b>  Gretchen Bennitt, APCO	 Date

**Responsible Official**

Chris Skinner

Phone: (530) 283-2820

**Facility Contact**

Howard Hughes

Phone: (530) 283-6734

# **Sierra Pacific Industries, Quincy Operating Permit**

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## A. FACILITY DESCRIPTION

SPI Quincy operates a wood products manufacturing and co-generation electricity generating facility. The facility includes a sawmill, lumber planer mill, and a co-generation unit.

### Equipment Listing

Source	Description	Capacity	Control
Riley Boiler #83-21-01	Wood-fired boilers with ash re-burner system, multiclone, and 3-Field	200,000 lbs./hr. steam @ 900degrees F and 825 psig	Multiclone, 3-Field Electrostatic Precipitator
Zurn Boiler #98-21-04	Wood-fired traveling grate pneumatically assisted stoker steam boiler	245.3 MMBTU/hr 148,000 lbs./steam @ 825 psig and 900 degrees F Max. Fuel Feed 14.4 tons/hr. @ 50 % moisture	Multiclone, 3-Field ESP and Ammonia Injection
Planer Wood-Waste Handling System #96-21-03	Planer Mill wood-waste handling system		
Western Pneumatic Model 360 Baghouse #11-21-05	Planer Mill dust collection system		

### Exempt Equipment

Source	Description	Capacity	Basis
Dry Kiln	120'X35' owner built	N/A	Rule 204
Cooling Tower	Harmon cooling tower	N/A	Rule 204

### Insignificant Activities

The following types of activities are exempted from the Title V permit requirements based on the EPA's Guidelines of Trivial Activities.

1. Plant maintenance and upkeep activities, such as painting.
2. Repair and maintenance shop activities not related to the source's primary business activities.
3. Motor vehicle and warehouse forklift combustion emissions from propulsion of mobile sources.
4. Portable generators, portable steam cleaners, and water heaters/steam cleaners units.
5. Unheated cleaning equipment, office janitorial activities and equipment, the consumers use of janitorial products, and consumer use of office equipment and products.

**B. EMISSION LIMITS****Zurn Boiler**

Emissions from the co-generation boiler shall not exceed the quantities and concentrations for specified pollutants:

Pollutant	Hourly Emission Rate	Annual Emission Rate	Concentration	Notes
Particulate Matter (PM)	8.59 lbs/hr (8-hr average)	38 tons/year	0.015 gr/dscf @ 12% CO <sub>2</sub>	1, 2
Nitrogen Oxides (NO <sub>x</sub> )	56.4 (8-hr average)	247 tons/year	180 ppmv @ 12% CO <sub>2</sub> (8-hr average)	-
Sulfur Oxides (SO <sub>2</sub> )	None	21 tons/year	None	-
Volatile Organic Compounds (VOCs)	12.3 lbs/hr (8-hr average)	54 tons/year	102 ppmv @ 12% CO <sub>2</sub> (8-hr average)	1
Carbon Monoxide (CO)	282 lbs/hr (8-hr average)	1,236 tons/year	963 ppmv @ 12% CO <sub>2</sub> (8-hr average)	1
Ammonia (NH <sub>3</sub> )	None	None	None	3
Opacity	Max. 20% for any 3 min. in any 1 hour or 30 min in any 24 hour period	Not Applicable	Not Applicable	4

**NOTES**

1. The PM and CO limits shall not apply during periods of startup (maximum 4 hours).
2. During startups that include refractory curing the PM limits shall not apply during the first 8 hours of startup. During refractory curing, the operator will ensure that all equipment is operated in a manner consistent with good air pollution control practice for minimizing emissions. Refractory curing will be allowed once per year.
3. Ammonia slip concentrations shall be maintained below any level that could potentially create a public nuisance.
4. Less than 20% (1.0 on the Ringlemann Scale) except for a period or periods aggregating not more than three minutes in any one hour period, or a period or periods aggregating not more than thirty minutes in any twenty-four hour period during boiler startup or shutdown.

**B. EMISSION LIMITS .....Continued****Riley Boiler**

Emissions from the co-generation boiler shall not exceed the quantities and concentrations for specified pollutants:

<b>Pollutant</b>	<b>Hourly Emission Rate</b>	<b>Annual Emission Rate</b>	<b>Concentration</b>
Particulate Matter (PM)	10.5 lbs/hr (8-hr average)	46 tons/year	NA
Nitrogen Oxides (NOx)	57.4 (8-hr average)	221 tons/year	180 ppmv @ 12% CO <sub>2</sub> (8-hr average)
Sulfur Oxides (SO <sub>2</sub> )	NA	NA	NA
Volatile Organic Compounds (VOCs)	33.6 lbs/hr (8-hr average)	147 tons/year	None
Carbon Monoxide (CO)	656 lbs/hr (8-hr average)	2,873 tons/year	2,600 ppmv @ 12% CO <sub>2</sub> (8-hr average)
Opacity	Max. 20% for any 3 min. in any 1 hour or 30 min in any 24 hour period	Not Applicable	Not Applicable

**MISC EQUIPMENT**

<b>Equipment</b>	<b>Pollutant</b>	<b>Emission Rate</b>
Waste Wood Handler	Particulate Matter (PM)	31.5 tons/year

**C. OPERATING LIMITS AND CONDITIONS**

<b>Equipment</b>	<b>Parameter</b>	<b>Limit or Constraint</b>	<b>Notes</b>
Zurn Boiler	Steam Production	148,000 lbs/hour	Averaged over any 24-hour period
	Fuel	No. 2 Diesel for start-up or auxiliary burners Non-chemically treated wood free of plastic or resin binders. 50 – 80% of fuel pile will be covered to control moisture content, except during dry, summer months.	APCO approval required for other fuels
	Ash	Use of water sprays and enclosures to mitigate visible fugitive dust No open air storage unless water sprays are used are used to prevent visible dust emissions. Temporary piles of ash are allowed for open storage, but visible fugitive dust emissions must be mitigated,	
	Ammonia Storage	Limited to 10,000 lbs.	RMP required is amount exceeds 10,000 lbs.
Riley Boiler	Steam Production	200,000 lbs/hour averaged annually 215,000 lbs/hr max. 24-hour average	
	Fuel	No. 2 Diesel for start-up or auxiliary burners Non-chemically treated wood free of plastic or resin binders. 50-80% of fuel pile will be covered to control moisture content, except during the dry summer months.	APCO approval required for other fuels
	Ash	Water sprays are used are used to prevent visible dust emissions or stored in enclosed containers. Temporary piles of ash are allowed for open storage, but visible fugitive dust emissions must be mitigated.	
Wood Waste Handler	Production Rate(s)	300 million bf/year	APCO approval required for production above this level

**Additional Conditions**

1. All equipment to be operated with air pollution control equipment in operation.
2. Mitigate visible fugitive dust from all material handling and storage areas, such as ash silos, chip bins.
3. All air pollution control equipment to be maintained and kept in good working order as per manufacturer's recommendations.



## D. MONITORING

### Zurn Boiler

29. SPI shall maintain and operate the following continuous monitoring systems in the boiler exhaust stack:

a. A continuous monitoring system to measure stack gas NO<sub>x</sub> and CO concentrations.

The system shall meet EPA monitoring performance specifications (40 CFR 60.13 and 40 CFR 60, Appendix B, Performance Specifications 2, 3, and 4).

b. A continuous monitoring system to measure stack gas volumetric flow rates.

The system shall meet EPA performance specifications (40 CFR Part 52, Appendix E).

Origin: PSD Permit No. SAC 97-01 I.1

30. SPI shall maintain and operate a transmissometer system for continuous measurement of the opacity of stack emissions. The system shall meet EPA monitoring performance specifications (40 CFR 60.13 and 40 CFR 60, Appendix B, Performance Specification 1).

Origin: PSD Permit No. SAC 97-01 I.1

31. The following operational parameters shall be monitored and displayed on a central control panel:

a. steam production rate;

b. multiclone pressure drop;

c. ESP field voltage and current;

d. O<sub>2</sub> (for combustion trim only), CO<sub>2</sub>, CO, and NO<sub>x</sub> stack concentrations;

e. stack volumetric flow rate;

f. and stack opacity.

Origin: Permit No.98-21-04 condition 21

32. A computer circuit for converting NO<sub>x</sub> and CO concentrations together with stack volumetric flow rates to NO<sub>x</sub> and CO hourly mass emission rates shall be installed and maintained in good operating condition. The emission concentrations shall be normalized to 12% CO<sub>2</sub>.

Origin: Permit No.98-21-04 condition 22

33. A computerized data acquisition system for steam production rate, stack opacity, and average hourly NO<sub>x</sub> and CO emission rates shall be installed and maintained in good operating condition in the central control room. The emission concentrations shall be normalized to 12% CO<sub>2</sub>.

Origin: Permit No.98-21-04 condition 23

34. An integrating circuit for steam production shall be installed and maintained in good operating condition as part of the central control panel.

Origin: Permit No.98-21-04 condition 24

35. SPI shall follow the procedures identified in the quality assurance project plan for the certification and operation of the continuous emission monitors submitted to the District. The plan shall conform to the EPA document "Guideline for developing a quality assurance project plan" (QAM 005/80).

Origin: Permit No.98-21-04 condition 37

### Riley Boiler

36. The applicant shall maintain records of:

a. boiler operating hours and number of hours of boiler down time;

b. wood waste fuel purchase and total usage (tons);

c. number of gallons and type of diesel fuel used by the boiler during start-up; and

d. the average steam production rate, maximum steam production rate, and total annual steam production.

Origin: Permit No.83-21-01 condition 29

## **D. MONITORING.....Continued**

### **Waste Wood Handler**

37. The SPI shall maintain records of:

- a. plant operating hours and number of operating days;
- b. production records for board feet of product and wood waste produced or shipped;
- c. monthly maintenance records showing date of inspections, findings, and repairs made.

Origin: Permit No.96-21-03 condition 28

## **E. RECORD KEEPING**

### **Zurn Boiler**

38. The Log shall include the date, start time, hours of down-time, which permitted device is down or which data is anomalous, affected monitor, pollutant(s) involved, allowable emission limit(s), excess emissions recorded, the cause of the breakdown, and the initials of the person making the entry. Adequate explanations for the cause of CEMS breakdowns and anomalous data may require additional written explanation as an attachment to the log.

Origin: Permit No.98-21-04 condition 35.C

39. SPI shall maintain a file of all measurements, including continuous monitoring systems evaluations; all continuous monitoring systems or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; performance and all other information required by 40 CFR 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least five years following the date of such measurement, maintenance, reports and records.

Origin: PSD Permit SAC 97-01 condition I.3

40. All information shall be recorded in a permanent form suitable for inspection. The file shall be retained for at least five years following the date of such measurements.

Origin: Permit No.98-21-04 condition 35.F

### **Riley Boiler**

41. All of records shall be maintained for a period of five (5) years.

Origin: Permit No.83-21-01 condition 29

### **Waste Wood Handler**

42. All of these records shall be maintained for a period of five (5) years.

Origin: Permit No.96-21-03 condition 28

## F. TESTING

### Zurn Boiler

43. For performance test purposes, sampling ports, platforms, and access shall be provided by SPI on the boiler exhaust system in accordance with 40 CFR 60.8(e). The source testing ports, platforms and access ladder conforming to Air Resources Board and Occupational Health and Safety Administration standards. Sampling ports shall be located not less than two stack diameters downstream and not less than one-half stack diameter upstream of any flow disturbance.

Origin: Permit No.98-21-04 condition 25 and SAC 97-01 condition C.3

44. Annually or at such other times specified by the EPA, a source test shall be performed on the ESP stack.

- a. The wood-waste fuel type for the test shall be mixed pine and fir.
- b. In addition, the following conditions apply:
  - i. results must provide mass emissions rates in pounds per hour, ppm, and lbs/MM BTU.
  - ii. The source test report shall state the wood-waste species fired in the title page and introduction.
- c. Performance tests for NO<sub>x</sub>, CO, VOC, PM-10, and opacity shall be conducted and the results reported in accordance with the test methods set forth in 40 CFR 60, Part 60.8 and Appendix A.
- d. to determine concentrations and mass emissions of non-condensable particulate, nitrogen oxides, carbon monoxide, and volatile organic compounds, the following test methods shall be used:
  - i. Performance tests for emissions of NO<sub>x</sub> shall be conducted using EPA Methods 1-4 and 7.
  - ii. Performance tests for emissions of CO shall be conducted using EPA Methods 1-4 and 10.
  - iii. Performance tests for emissions of PM-10 shall be conducted using EPA Methods 1-4 and Method 5 from Appendix A.
  - iv. Performance tests for emissions of VOC shall be conducted using EPA Method 25A.
  - v. Performance tests for opacity shall be conducted using EPA Method 9.

Alternative equivalent methods may be used with prior written approval from the District and EPA.

Origin: Permit No.98-21-04 condition 36.A and SAC 97-01 C.2

45. The source test shall include a CEMS performance evaluation per 40 CFR Part 60, § 60.13, and 40 CFR Part 60, Appendix B, Performance Specifications 2, 3, and 4.

Origin: Permit No.98-21-04 condition 36.B

46. The test shall be conducted with the boiler operating between 90 and 100% of the maximum allowable steam production rate.

An alternative steam production rate for the source test may be approved by the APCO providing that the source requests the alternative rate in writing at least 30 days prior to the next scheduled source test, as part of the source test protocol.

The alternative steam production rate must be at least 90% of the maximum steam production rate that was achieved during the last two years. Documentation of the maximum stream rate must be provided with the written request for the alternative steam production rate.

The maximum allowable steam production rate may be modified as a result of the compliance test if the extrapolation of the measured emission rates indicates an emission limit violation may occur at the permitted allowable steam rate.

Origin: Permit No.98-21-04 condition 36.C

## **F. TESTING....Continued**

47. SPI shall submit a source test plan and protocol to the Air Pollution Control Officer and EPA Administrator for approval at least 30 days before the source test is to be performed.

Origin: Permit No.98-21-04 condition 36.D

48. A source test for ammonia slip shall be performed every third year in conjunction with the annual ESP stack test. The results shall be included in the Stack Test Report. The ammonia slip test shall be conducted per Bay Area AQMD Source Test Procedure ST-1B, or South Coast AQMD Source Test Method 207.1, or any other method that is approved by the APCO.

Origin: Permit No.98-21-04 condition 36.F

### **Riley Boiler**

49. Annually, a source test shall be conducted to assure compliance with the maximum permitted emission limits, per 40 CFR Part 60, for particulate matter, nitrogen oxides, hydrocarbons, and carbon monoxide.

Origin: Permit No.83-21-01 condition 30.A

50. The test shall be conducted with the boiler operating between 90 and 100% of the maximum allowable steam production rate.

An alternative steam production rate for the source test may be approved by the APCO providing that the source requests the alternative rate in writing at least 30 days prior to the source test, as part of the source test protocol.

The alternative steam production rate must be at least 90% of the maximum steam production rate that was achieved during the last two years. Documentation of the maximum steam rate must be provided with the written request for the alternative steam production rate.

The maximum allowable steam production rate may be modified as a result of the compliance test if the extrapolation of the measured emission rates indicates an emission limit violation may occur at the permitted allowable steam rate.

Origin: Permit No.83-21-01 condition 30.B

51. A source test plan and protocol shall be submitted to the Air Pollution Control Officer for approval at least 30 days before the source test is to be performed.

Origin: Permit No.83-21-01 condition 30.C

## **F. TESTING .....Continued**

### **Waste Wood Handler**

52. A source test shall be conducted annually to assure compliance with the maximum permitted emission limit, per 40 CFR Part 60, for particulate matter.

- a. The source test shall be conducted per 40 CFR, Part 60, Appendix A, Methods 2, 4, 5, and 9, or an equivalent test method approved by the Executive Officer of the Air Resources Board and the Air Pollution Control Officer.
- b. Submit a source test plan and protocol to the Air Pollution Control Officer for approval at least 30 days before the source test is to be performed.
- c. The tests shall be performed while the air pollution emitting equipment (i.e. planer(s), saws, and/or moulder(s)) are processing at a rate of 90% to 100% of maximum rated production capacity, as verified by manufacturer's specifications.

#### **Alternative source test:**

If Sierra Pacific Industries opts for an alternative source test, the permittee shall arrange for an alternative source test to be performed by the District, on the cyclone. This alternative source test shall consist of ARB Method 9, Visual Emissions Evaluation (VEE). The VEE shall be performed while the planer(s) and/or moulder(s) are processing at a rate of 90% to 100% of maximum rated production capacity, as verified by manufacturer's specifications.

Origin: Permit No.96-21-03 condition 29

## **G. REPORTING**

53. All records required by this Title V permit to operate shall be made available to the District or EPA upon request.

Origin: Permit No.83-21-01

54. Within 30 days of conducting any source test required by this Title V permit to operate, a copy of the Source Test Report shall be delivered to the District and EPA.

Origin: Permit No.83-21-01

### **Zurn Boiler**

55. Any violation of emission limits shall be reported to the District within 96 hour, per the Health and Safety Code §42706, in addition to the quarterly report.

Origin: Permit No.98-21-04 condition 35.E

56. Quarterly electronic CEMS Reports shall be compiled and transmitted to the District within 30 days following the end of each calendar quarter (40 CFR §60.7.c). The CEMS report shall include an Excess Emissions/CEMS Breakdown Quarterly Report (Report), a Continuous Emission Monitoring Down-time and Excess Emissions Log (Log) (HSC §42706), and a chronological listing and explanation of each incident that is reported on the Log. The facility may use copies of the enclosed Report and Log forms, or the facility may substitute a different format that has been approved by the APCO. The electronic Quarterly CEMS Report shall also include copies of the daily CEMS calibration summary, a monthly summary of the daily 8-hour rolling averages including the minimum and maximum average for the day, and a copy of the daily print-out for the CEMS.

Origin: Permit No.98-21-04 condition 35.A

57. The Report shall include quarterly totals for operating hours under each operating regime designated under this permit, including hours of boiler operation, hours of operation during which excess emissions of NOx and CO occurred due to,

- a. startup/shut-down
- b. cleaning,
- c. equipment/process malfunction,
- d. other, and
- e. unknown (for clarification of these categories refer to either the Report form or 40 CFR §60.7.c.).

The Report shall also include hours of CEMS down-time due to,

- a. startup/shut-down,
- b. cleaning,
- c. equipment/process malfunction,
- d. other, and
- e. unknown.

Origin: Permit No.98-21-04 condition 35.B

58. Tons of steam produced, total hours of boiler operation, and tons of wood-waste fuel used shall be reported. Log delivery records shall also be provided to support the wood-waste fuel usage.

Origin: Permit No.98-21-04 condition 35.G

59. Excess emissions indicated by the CEM system shall be considered violations of the applicable emission limit for the purposes of this Title V permit to operate.

Origin: PSD Permit No. SAC 97-01 condition I.6.e

## **G. REPORTING .....Continued**

60. Any violation of any emission standard to which the stationary source is required to conform, as indicated by the records of the monitoring devices, shall be reported by the operator of the source to the District within 96 hours after such occurrence.

Origin: Permit No.98-21-04 condition 29

61. The Regional Administrator shall be notified by telephone within 48 hours following any failure of air pollution control equipment, process equipment, or of a process to operate in a normal manner which results in an increase in emissions above any allowable emissions limit stated in the conditions applicable to the Zurn boiler.

In addition, the Regional Administrator shall be notified in writing within fifteen (15) days of any such failure. This notification shall include a description of the malfunctioning equipment or abnormal operation, the date of the initial failure, the period of time over which emissions were increased due to the failure, the cause of the failure, the estimated resultant emissions in excess of those allowed under conditions applicable to the Zurn boiler, and the methods utilized to restore normal operations.

Compliance with this malfunction notification provision shall not excuse or otherwise constitute a defense to any violations of this Title V permit to operate or of any law or regulations which such malfunction may cause.

Origin: PSD Permit No. SAC 97-01 condition IV.

62. Sierra Pacific Industries shall transmit to the Northern Sierra AQMD, copies of all reports and correspondence required to be forwarded to EPA Region IX in compliance with the conditions of PSD Permit No. SAC 97-01. Including the CEMS Quarterly Report.

Origin: Permit No.98-21-04 condition 30

63. SPI shall submit a written report of all excess emissions to EPA for every calendar quarter. The report shall include the following:

- a. The magnitude of excess emissions computed in accordance with 40 CFR 60.13(h), any conversion factors used, and the date and time of commencement and completion of each time period of excess emissions.
- b. Specific identification of each period of excess emissions that occurs during start-ups, shutdowns, and malfunctions of the boiler systems. The nature and cause of any malfunction (if known) and the corrective action taken or preventive measures adopted shall also be reported.
- c. The date and time identifying each period during which the continuous monitoring system was inoperative, repaired, or adjusted. Such information shall be stated in the report.
- d. When no excess emissions have occurred or the continuous monitoring system has not been inoperative, repaired, or adjusted, such information shall be stated in the report.
- e. Excess emissions shall be defined as any 8-hour period during which the average emissions of NOx, CO, or opacity, as measured by the CEMS, exceeds the maximum emission limits set forth in this Title V permit to operate.

Origin: Permit No. SAC 97-01 X.I.6

64. Within 30 days of conducting source tests required by this Title V permit to operate, a copy of the Source Test Report shall be delivered to the District and EPA.

Origin: Permit No.98-21-04 condition 36.E



**G. REPORTING .....Continued**

65. All correspondence as required by conditions applicable to the Zurn boiler shall be forwarded to:

- a. Director, Air Division  
U.S. Environmental Protection Agency  
75 Hawthorne Street  
San Francisco, CA 94105
- b. Chief, Stationary Source Division  
California Air Resources Board  
P.O. Box 2815  
Sacramento, CA 95814
- c. Air Pollution Control Officer  
Northern Sierra Air Quality Management District  
Air Pollution Control Officer  
200 Litton Drive  
P.O. Box 2509  
Grass Valley, CA 95945

Origin: PSD Permit No. SAC 97-01 condition X.

**Riley Boiler**

66. Standard Reporting Requirements 53 and 54.

**Waste Wood Handler**

67. Standard Reporting Requirements 53 and 54.

## **H. STANDARD OPERATIONAL CONDITIONS**

68. All air pollution control devices required in permits to operate shall be operated at all times that associated emitting devices are in operation.

Origin: Permit No.98-21-04 condition 12

69. All equipment, facilities and systems installed or used to achieve compliance with the terms and conditions of this Authority to Construct/Permit to Operate shall be maintained in good working order and be operated as efficiently as possible, so as to minimize air pollutant emissions. Manufacturers' recommended maintenance procedures shall be adhered to at all times. Sierra Pacific Industries shall develop a maintenance program for equipment listed herein to preclude a violation of the California Health and Safety Code and District Rules and Regulations.

Origin: Permit No.98-21-04 condition 13

70. The operator shall notify the District of any occurrence which constitutes a malfunction or breakdown of equipment resulting in excessive emissions as defined in District Rule 516.

Such notification shall be provided by telephone communication within 2 hours of the occurrence during normal business hours, or within the first two hours of the next District business day, if otherwise.

In no event shall Sierra Pacific Industries allow the equipment to operate in a malfunctioning state for more than 48 hours unless an emergency variance has been granted.

The shutdown or non-operable status of permitted control devices, including monitoring and control subsystems, shall be subject to breakdown reporting.

Origin: Permit No.98-21-04 condition 14

71. Visible emissions from ANY AND ALL emission points will be limited to 20% opacity or less, per District Rule 202, for a period or periods aggregating more than three (3) minutes in any one (1) hour.

Origin: Permit No.98-21-04 condition 15

72. The operator shall not discharge from any source whatsoever such quantities of air contaminants or other materials which cause injury, detriment, nuisance or annoyance to any considerable number of persons, or to the public, or which cause to have a natural tendency to cause injury or damage to business or property, per District Rule 205, Nuisance.

Origin: Permit No.98-21-04 condition 16

73. In the event of any violation of District Rules and Regulations, Sierra Pacific Industries shall cease operation of violating equipment or take action to end such violation, pursuant to all the requirements of District Rule 516. Upset and Breakdown Conditions, if applicable.

Origin: Permit No.98-21-04 condition 17

74. Operation of this equipment must be conducted in compliance with all data and specifications, limited to the maximum rates and schedules of operation, and the specified process materials of approved plans and specifications, submitted with the application under which this Title V permit to operate is issued, unless otherwise prescribed by conditions. Any operation of equipment or discharge of emissions to the atmosphere not identified by application submittals made to the District or exceeding the limits of the operation pursuant to which this Title V permit to operate is granted, shall be deemed a violation.

Origin: Permit No.98-21-04 condition 18

75. Exceeding any emission limit or production rate established by this Title V permit to operate is prohibited without prior application for, and the subsequent granting of, a permit modification pursuant to District Rule 505 - Conditional Approval, unless specifically allowed by a granted variance, or due to an upset, breakdown, or scheduled maintenance per District Rule 516.

Origin: Permit No.98-21-04 condition 20

## **H. STANDARD OPERATIONAL CONDITIONS .....Continued**

76. At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.

Origin: 40 CFR Part 60.11(d)

## **I. GENERAL PERMIT CONDITIONS**

77. This permit, or a readable reproduction, shall be posted in a conspicuous location at the facility where the permitted device is operating.

Origin: Permit No.98-21-04 condition 1

78. Operating staff at the facility where this Title V permit to operate is posted shall be advised of, and be familiar with, all conditions contained in this permit.

Origin: Permit No.98-21-04 condition 2

79. Operation under this Title V permit to operate is deemed acceptance of all permit conditions, as specified.

Origin: Permit No.98-21-04 condition 3

80. Sierra Pacific Industries shall maintain compliance at all times with all applicable District, State of California, and Federal laws, rules, regulations, and permit conditions governing air pollution. Whenever there is a conflict of District, State and/or Federal laws, rules, regulations, or permit conditions, the more stringent shall apply. Nothing in these Conditions shall be construed to allow the violation of any law or of any rule or regulation of the Northern Sierra Air Quality Management District, the State of California, or the U.S. Environmental Protection Agency by Sierra Pacific Industries.

Origin: Permit No.98-21-04 condition 4

81. Failure to comply with any condition of this Title V permit to operate constitutes grounds for, and may result in, revocation or suspension of this permit, either by the Air Pollution Control Officer, or the Air Pollution Control Hearing Board.

Origin: Permit No.98-21-04 condition 5

82. The District reserves the right to amend this permit, in order to ensure compliance with any District, State, or Federal laws, rules, regulations, and permit conditions governing air pollution, or to abate a public nuisance.

Origin: Permit No.98-21-04 condition 6

83. If any condition on this Title V permit to operate is found invalid, such finding shall not affect the validity of the remaining conditions.

Origin: Permit No.98-21-04 condition 7, PSD Permit No. SAC 97-01 condition VII. and NSAQMD Rule 522, Federal Operating Permits Program, § 6.13

**I. GENERAL PERMIT CONDITIONS .....Continued**

84. The Regional Administrator, the head of the State Air Pollution Control Agency, the head of the responsible local air pollution control agency, and/or their authorized representatives, upon the presentation of credentials, shall be permitted:

- a. to enter upon the premises where the source is located or in which any records are required to be kept under the terms and conditions of this Title V permit to operate; and
- b. at reasonable times to have access to and copy any records required to be kept under the terms and conditions of this Title V permit to operate; and
- c. to inspect any equipment, operation, or method required in this Title V permit to operate; and
- d. to sample emissions from the source.

Origin: Permit No.98-21-04 condition 8

85. The Regional Administrator, the Executive Officer of the California Air Resources Board, the APCO, or their authorized representatives, upon the presentation of credentials, shall be permitted:

- a. To enter upon the premises where the source is located or in which any records are required to be kept under the terms and conditions of this Title V permit to operate to Operate; and
- b. At reasonable times to have access to, inspect and copy any records required to be kept under the terms and conditions of this Title V permit to operate; and
- c. To inspect any equipment at the stationary source, operation, work practices, emission-related activities or method required in this Title V Permit to Operate; and
- d. To sample emissions from the source or other monitoring activities.

Origin: PSD Permit No. SAC 97-01 and NSAQMD Rule 522, Federal Operating Permits Program, § 6.10

86. This Title V permit to operate is not transferable, either from one location to another, from one piece of equipment to another, or from one person to another, except on the written approval of the Air Pollution Control Officer.

In the event that control of this facility will be assumed by another person, company, corporation, or other entity, the District shall be notified of such transfer of control by the submittal of a written notification a minimum of thirty (30) days prior to the actual transfer date.

In the event of any changes of ownership, or control of facilities herein permitted to be operated, this Title V permit to operate shall be binding upon all subsequent owners and operators, pending District action.

The owner(s) or operator(s) shall notify the succeeding owner and operator of the existence of this Title V permit to operate and its conditions by letter, a copy of which shall be forwarded to the District and to the Regional Administrator.

Origin: Permit No.98-21-04 condition 9

87. The operator(s) or owner(s) of this facility shall comply with all applicable requirements pursuant to California Health and Safety Code, Part 6, Air Toxics "Hot Spots" Information and Assessment Act of 1987 (AB 2588), Sections 44300 through 44394. The operator will collect and submit all information required for emissions from this source category. Emissions inventory data will be submitted in compliance with State requirements, guidance, and local prioritization recommendations. This inventory report shall be submitted to the District within one year of the date operations at the facility commence.

Origin: Permit No.98-21-04 condition 10

88. Any new equipment additions or modifications to the facility beyond normal maintenance and repair must be reported to the Northern Sierra AQMD prior to the installation of the equipment. Such additions/modifications are subject to Authority to Construct requirements. An application for an Authority to Construct shall be filed with the District prior to a modification as defined by District Rule 102; replacement of equipment (with other than identical) for which a Permit to Operate has been granted; building, erecting, installing, or operating any equipment for which an Authority to Construct is required pursuant to California Health and Safety Code, Section 42300, and District Rule 401.

Origin: Permit No.98-21-04 condition 11

## **J. FEDERAL TITLE V REQUIREMENTS**

89. This Title V permit to operate shall become invalid five years from the time of issuance. Sierra Pacific Industries shall apply for renewal of this Title V permit to operate no earlier than 18 months before the date of expiration nor later than 6 months before the date of expiration.

Origin: NSAQMD Rule 522, Federal Operating Permits Program § 6.15 and 40 CFR Part 70.5(a)(1)(ii)

90. Sierra Pacific Industries shall remit the Title V supplemental annual fee in a timely basis. Failure of remitting fees in a timely basis shall result in the forfeiture of this Title V permit to operate to operate. Operation without a permit subjects the source to potential enforcement action by the District and the U.S. EPA pursuant to § 502(a) of the Clean Air Act.

Origin: NSAQMD Rule 522, Federal Operating Permits Program, § 6.16

91. Sierra Pacific Industries shall not use the "need to halt or reduce a permitted activity in order to maintain compliance" as a defense for non-compliance with any permit condition.

Origin: 40 CFR Part 70.6(a)(6)(ii)

92. This Title V permit to operate may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by Sierra Pacific Industries for a permit modification, revocation and re-issuance, or termination, or of a notification of planned changes or anticipated non-compliance does not stay any permit condition.

Origin: 40 CFR Part 70.6(a)(6)(i)

93. Sierra Pacific Industries shall provide the District or EPA any written request information needed to determine:

- a. compliance with conditions contained in this Title V permit to operate, or
- b. whether cause exists for a permit or enforcement action;

within a reasonable time period.

Origin: 40 CFR Part 70.6(a)(6)(vi)

94. Sierra Pacific Industries shall comply with the provisions of this Title V permit to operate. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and re-issuance, or modification; or for denial for a permit renewal application.

Origin: 40 CFR Part 70.6(a)(6)(iii)

95. This Title V permit to operate does not convey property rights or exclusive privilege of any sort.

Origin: 40 CFR Part 70.6(a)(6)(iv)

96. Sierra Pacific Industries shall comply with the requirements of Rule 516, Upset Conditions, Breakdown and Scheduled maintenance. Within two weeks of an emergency event, an owner or operator of the source shall submit to the District a properly signed, contemporaneous log or other relevant evidence which demonstrates that:

- a. An emergency occurred;
- b. Sierra Pacific Industries can identify the cause(s) of the emergency;
- c. The facility was being properly operated at the time of the emergency;
- d. All steps were taken to minimize the emissions resulting from the emergency; and
- e. Within two working days of the emergency event, Sierra Pacific Industries provided the district with a description of the emergency and any mitigating or corrective actions taken;

In any enforcement proceeding, Sierra Pacific Industries has the burden of proof for establishing that an emergency occurred.

Origin: NSAQMD Rule 522, Federal Operating Permits Program, § 6.12

## **J. FEDERAL TITLE V REQUIREMENTS ..... Continued**

97. All records of all monitoring and support information associated with any applicable federal requirement, including:

- a. date, place, and time of sampling;
- b. operating conditions at the time of sampling;
- c. date, place, and method of analysis; and
- d. results of the analysis

shall be maintained and retained for a period of at least five (5) years from the date of sample collection, measurement, report, or application.

Origin: NSAQMD Rule 522, Federal Operating Permits Program, § 6.2.a

98. Any record keeping deemed necessary by the APCO to ensure compliance with all applicable federal requirements shall be retained for a period of at least five (5) years.

Origin: NSAQMD Rule 522, Federal Operating Permits Program, § 6.2.c

99. SPI shall follow the compliance plan submitted with the initial Title V application.

Origin: NSAQMD Rule 522, Federal Operating Permits Program, § 6.8

100. SPI shall report:

- a. Any deviation from permit requirements, including that attributable to upset conditions (as defined in the permit), shall be promptly reported to the APCO who will determine what constitutes "prompt" reporting in terms of the requirement, the degree, and type of deviation likely to occur;
- b. A report shall be submitted at least every six months and shall identify any deviation from permit requirements, including that previously reported to the APCO (see above);
- c. All reports of a deviation from permit requirements shall include the probable cause of the deviation and any preventative or corrective action taken; and
- d. Each report shall be accompanied by a written statement from the responsible official which certifies the truth, accuracy, and completeness of the report.

Origin: NSAQMD Rule 522 Federal Operating Permits Program, § 6.7

101. Should the SPI become subject to requirements under 40 CFR Part 68, then SPI shall submit a risk management plan (RMP) by the date specified in 40 CFR § 68.10. The facility shall certify compliance as part of the annual certification as required by this Title V permit to operate.

Origin: 40 CFR Part 68, Chemical Accident Prevention Provisions

102. Sierra Pacific Industries shall provide the District with copies of Material Safety Data Sheets within five (5) days of initial on-site storage of all compounds for which MSDS's are available. Sierra Pacific Industries shall provide a copy of all toxic emergency response plans developed by the operator to comply with the requirements of the Clean Air Act of 1990, section 112(r).

Origin: Permit No.83-21-01 condition 28

103. Sierra Pacific Industries shall comply with the requirements of Sections 61.145 through 61.147 of the National Emission Standard for Asbestos for all demolition and renovation projects.

Origin: 40 CFR Part 61, National Emission Standards for Hazardous Air Pollutants, Subpart M

104. Sierra Pacific Industries shall require all persons performing maintenance, service, repair or disposal of appliances containing ozone-depleting compounds to be certified by an approved technician certification program.

Origin: 40 CFR Part 82, Protection of Stratospheric Ozone

## **K. ALTERNATIVE OPERATING SCENARIOS**

105. Upon approval by the APCO of the Northern Sierra Air Quality Management District, an alternative operating scenario may be allowed.

Origin: NSAQMD Rule 522 5.9.1